

CALIFORNIA Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2016, California

Year			Petroleum						Hydro-electric Power e,f	Biomass		Solar f,h	Retail Electricity Sales	Net Energy f,i	Electrical System Energy Losses j	Total f,i
	Coal	Natural Gas a	Distillate Fuel Oil	HGL b	Kerosene	Motor Gasoline c	Residual Fuel Oil	Total d		Wood and Waste f,g						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Million Kilowatthours		Geothermal f	Million Kilowatthours				
1960	3	109	637	1,142	46	1,406	7,284	10,515	NA	--	--	NA	22,039	--	--	--
1965	5	164	560	1,541	95	1,309	6,200	9,705	NA	--	--	NA	29,917	--	--	--
1970	48	210	657	1,562	510	1,482	8,631	12,842	NA	--	--	NA	40,634	--	--	--
1975	0	240	647	819	650	1,622	4,377	8,115	NA	--	--	NA	57,846	--	--	--
1980	3	258	3,225	1,487	222	1,795	6,811	13,540	NA	--	--	NA	63,465	--	--	--
1985	41	205	3,416	1,618	353	1,759	35	7,181	NA	--	--	NA	73,592	--	--	--
1990	20	285	4,094	1,739	19	1,928	882	8,661	7	--	--	13	88,311	--	--	--
1995	116	279	3,164	1,477	27	236	4	4,907	4	--	--	23	86,032	--	--	--
1996	156	235	2,559	1,233	69	231	12	4,105	11	--	--	26	88,605	--	--	--
1997	97	254	2,487	1,114	41	233	2	3,878	5	--	--	30	92,299	--	--	--
1998	103	282	2,657	1,842	63	250	59	4,871	12	--	--	33	99,067	--	--	--
1999	24	245	2,745	1,727	29	236	0	4,737	11	--	--	39	95,771	--	--	--
2000	21	246	3,104	1,611	52	237	1	5,005	8	--	--	44	99,900	--	--	--
2001	(s)	246	2,838	1,106	63	246	27	4,280	0	--	--	53	107,390	--	--	--
2002	(s)	238	2,190	1,287	27	253	0	3,758	0	--	--	63	108,972	--	--	--
2003	(s)	233	1,796	2,179	47	262	0	4,284	1	--	--	74	109,578	--	--	--
2004	8	232	1,663	3,076	72	271	0	5,082	(s)	--	--	91	118,953	--	--	--
2005	18	233	1,968	2,416	59	274	0	4,717	5	--	--	R 137	117,551	--	--	--
2006	1	244	1,481	1,792	54	285	0	3,613	7	--	--	R 182	121,255	--	--	--
2007	0	251	1,834	2,014	31	280	0	4,158	13	--	--	242	123,690	--	--	--
2008	0	251	2,847	2,600	14	277	0	5,738	0	--	--	R 371	125,026	--	--	--
2009	0	248	3,511	2,077	20	268	0	5,876	(s)	--	--	R 436	121,105	--	--	--
2010	0	248	4,724	2,246	33	263	0	R 7,266	7	--	--	527	121,152	--	--	--
2011	0	246	4,191	2,194	25	260	0	R 6,670	5	--	--	R 667	122,781	--	--	--
2012	0	253	3,768	2,228	9	256	0	R 6,260	3	--	--	R 968	121,792	--	--	--
2013	0	255	3,492	2,118	8	268	0	R 5,885	5	--	--	R 1,148	116,858	--	--	--
2014	0	238	3,346	2,531	9	257	1	R 6,143	4	--	--	1,436	119,494	--	--	--
2015	0	236	3,641	2,083	8	R 10,019	1	R 15,753	3	--	--	1,543	118,384	--	--	--
2016	0	237	3,674	2,856	14	10,049	1	16,594	12	--	--	1,825	116,775	--	--	--
Trillion Btu																
1960	0.1	112.7	3.7	4.4	0.3	7.4	45.8	61.5	NA	0.5	NA	NA	75.2	249.9	186.0	435.9
1965	0.1	175.5	3.3	5.9	0.5	6.9	39.0	55.6	NA	0.4	NA	NA	102.1	333.6	243.7	577.3
1970	1.1	221.3	3.8	6.0	2.9	7.8	54.3	74.8	NA	0.5	NA	NA	138.6	436.2	335.4	771.6
1975	0.0	253.7	3.8	3.1	3.7	8.5	27.5	46.6	NA	0.5	NA	NA	197.4	498.2	473.4	971.6
1980	0.1	269.4	18.8	5.7	1.3	9.4	42.8	78.0	NA	1.3	NA	NA	216.5	565.3	520.2	1,085.5
1985	1.0	212.9	19.9	6.2	2.0	9.2	0.2	37.6	NA	2.2	NA	NA	251.1	504.8	575.1	1,079.8
1990	0.5	294.2	23.8	6.7	0.1	10.1	5.5	46.3	0.1	8.4	0.3	0.1	301.3	651.2	661.4	1,312.7
1995	2.7	281.8	18.4	5.7	0.2	1.2	(s)	25.5	(s)	11.4	0.4	0.2	293.5	615.6	642.3	1,257.9
1996	3.6	243.1	14.9	4.7	0.4	1.2	0.1	21.3	0.1	11.2	0.5	0.3	302.3	582.5	669.3	1,251.7
1997	2.2	258.3	14.5	4.3	0.2	1.2	(s)	20.2	0.1	9.8	0.5	0.3	314.9	606.3	699.2	1,305.6
1998	2.4	298.1	15.5	7.1	0.4	1.3	0.4	24.6	0.1	8.6	0.7	0.3	338.0	672.8	765.1	1,437.9
1999	0.6	248.3	16.0	6.6	0.2	1.2	0.0	24.0	0.1	9.0	0.5	0.4	326.8	609.7	755.6	1,365.3
2000	0.5	235.7	18.1	6.2	0.3	1.2	(s)	25.8	0.1	10.8	0.6	0.4	340.9	614.7	751.1	1,365.7
2001	(s)	249.6	16.5	4.2	0.4	1.3	0.2	22.6	0.0	9.1	0.6	0.6	366.4	648.8	810.7	1,459.6
2002	(s)	242.9	12.7	4.9	0.2	1.3	0.0	19.2	0.0	9.9	0.7	0.6	371.8	645.0	829.4	1,474.4
2003	(s)	237.6	10.5	8.4	0.3	1.4	0.0	20.4	(s)	10.9	0.7	0.7	373.9	644.2	798.0	1,442.2
2004	0.2	236.2	9.7	11.8	0.4	1.4	0.0	23.3	(s)	11.0	0.7	0.9	405.9	678.1	878.1	1,556.2
2005	0.4	238.5	11.5	9.3	0.3	1.4	0.0	22.5	0.1	9.6	0.7	1.4	401.1	674.2	817.1	1,491.3
2006	(s)	250.0	8.6	6.9	0.3	1.5	0.0	17.3	0.1	10.4	0.7	1.8	413.7	694.0	846.9	1,540.8
2007	0.0	258.4	10.6	7.7	0.2	1.4	0.0	19.9	0.1	9.4	0.6	2.4	422.0	713.0	822.9	1,535.9
2008	0.0	258.0	16.5	10.0	0.1	1.4	0.0	27.9	0.0	9.5	0.5	3.7	426.6	726.2	846.2	R 1,572.3
2009	0.0	254.5	20.3	8.0	0.1	1.4	0.0	29.7	(s)	10.6	0.6	4.3	413.2	712.8	801.1	R 1,513.9
2010	0.0	253.3	27.3	8.6	0.2	1.3	0.0	R 37.4	0.1	10.5	0.6	5.1	413.4	R 720.3	789.8	1,510.1
2011	0.0	250.9	24.2	8.4	0.1	1.3	0.0	R 34.1	(s)	17.4	0.7	6.5	418.9	R 728.4	809.5	R 1,538.0
2012	0.0	258.3	21.7	8.5	(s)	1.3	0.0	R 31.6	(s)	16.8	0.6	9.2	415.6	R 732.1	757.5	R 1,489.6
2013	0.0	261.5	20.1	8.1	0.0	1.4	0.0	R 29.7	0.1	17.4	0.6	11.0	398.7	R 719.0	706.1	R 1,425.1
2014	0.0	244.4	19.3	9.7	0.1	1.3	(s)	R 30.4	(s)	17.3	0.6	13.7	407.7	R 714.2	718.5	R 1,432.7
2015	0.0	244.5	21.0	8.0	(s)	R 50.7	(s)	R 79.7	(s)	R 17.2	0.6	14.4	403.9	R 760.4	704.7	R 1,465.1
2016	0.0	245.3	21.2	11.0	0.1	50.8	(s)	83.1	0.1	16.5	0.6	16.8	398.4	761.0	716.3	1,477.2

^a Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.
^b Hydrocarbon gas liquids, assumed to be propane only.
^c Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.
^d Includes small amounts of petroleum coke not shown separately.
^e Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
^g Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
^h Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
ⁱ For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

Beginning in 2009, includes a small amount of wind energy consumed by commercial utility-scale facilities. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.
^j Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.
-- = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. • The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.